EPSON®

STYLUS COLOR II

COLOR INK JET PRINTER

Setup and Software Guide for Macintosh®

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- ❑ Reorient or relocate the receiving antenna.
- ❑ Increase the separation between the equipment and receiver.
- ❑ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ❑ Consult the dealer or an experienced radio/TV technician for help.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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Contents

Introduction

Getting the Most Out of Your Printer 2
- Special Papers 2
- Specially Formulated Ink 2
- Automatic Halftone Settings 3
- Three Resolutions to Choose From 3

If You Are New to Color Printing 4
Where to Get Help 5
- Electronic Support Services 6

Important Safety Instructions 7

Chapter 1 ***Installing the Printer***

System Requirements 1-1
Choosing a Location 1-2
Unpacking the Printer 1-2
- Removing the Protective Materials 1-3

Setting Up the Printer 1-3
- Attaching the Paper Support 1-4
- Plugging In and Turning On the Printer 1-4
- Installing the Ink Cartridges 1-5
- Checking the Paper Thickness Lever 1-10
- Loading Paper 1-10
- Testing the Printer 1-12

Connecting the Printer to Your Macintosh 1-13

Chapter 2 ***Installing and Using the Printer Driver***

Installing the Macintosh Printer Driver 2-1
Using the Chooser to Select the Printer 2-3
Using the Macintosh Printer Driver 2-6
Accessing the Driver 2-6
Color/Halftone Setting 2-8
Print Settings 2-10
Visual Effects Settings 2-12
Selecting Paper Size and Orientation Using Page Setup . . . 2-13

Chapter 3 ***Using the Printer Driver Utilities***

Managing Print Jobs 3-1
Calibrating the Printer with Bi-D Calibration 3-2

Index

Introduction

The EPSON® Stylus® COLOR II is an affordable, high-quality ink jet printer that can print up to 16 million colors at a resolution of 720 × 720 dpi to produce full-color, photo-quality images. The printer also produces realistic grayscale images, sharp text, and line art. The printer's ink jet technology allows it to operate quietly, keeping your workspace peaceful.

The Stylus COLOR II is easy to install and use. You simply set it up and install the Apple® Macintosh® printer driver software as described in this book. The printer has built-in serial and parallel interfaces, so you can connect it to a Macintosh or an IBM® PC compatible computer. You can even connect both simultaneously; the printer automatically switches between interfaces as it receives print data.

Note:
For instructions on using the printer with a PC, see the Setup and Software Guide for Windows.®

This manual explains how to do the following:

- ❑ Set up your printer, load plain paper, connect it to your Macintosh, and test it. See Chapter 1 to begin.
- ❑ Install and use the printer driver to print your documents. See Chapter 2 for step-by-step instructions.
- ❑ Manage your print jobs and calibrate the printer using the utilities that came with the printer driver; see Chapter 3.

Refer to the *Reference Guide* for instructions on operating and maintaining your printer, as well as for troubleshooting steps and technical specifications you may need.

As you install the driver, select the ReadMe 1st icon in the Driver Disk window for the latest information.

Getting the Most Out of Your Printer

The printer supports a wide variety of settings that let you improve print quality or speed up printing. You can customize these settings using the printer driver to produce a variety of image types with EPSON's specially formulated inks and papers.

Special Papers

The type of paper you use is very important. Although you get good results with plain bond paper, you will get better results by using coated papers because they do not absorb as much ink.

To ensure the best possible quality, EPSON offers special coated papers, glossy papers, and transparencies that are formulated specifically for the inks used by the printer. For more information about special papers and other media, see Chapter 1 of the *Reference Guide*.

Specially Formulated Ink

EPSON's black and color ink cartridges are specially formulated to work with EPSON papers and the driver to deliver the best looking images. Always use genuine EPSON ink cartridges and do not refill them. Other products may cause damage not covered by EPSON's warranty.

Make sure you use ink cartridges within six months of installing them and before the expiration date on the package.

Automatic Halftone Settings

The printer driver includes an automatic Method option that determines the correct halftone settings for you, as described in Chapter 2. When set, the driver analyzes the elements on a page to be printed and automatically adjusts the halftone settings so your printed results are appropriate for the image type.

Three Resolutions to Choose From

Resolution is a measure of the amount of detail that can be represented. The higher the resolution, the more detailed and realistic the image, and the longer it takes to print. For printed images, resolution is measured in dots per inch (dpi).

The printer has three resolutions, or printing modes: 720 dpi, 360 dpi, and 180 dpi. Use 720 dpi for the best possible images. For high-quality images in less time, use 360 dpi. When speed is important and draft quality is good enough, use 180 dpi. For guidelines on selecting the best resolution for your print jobs, see Chapter 2.

If You Are New to Color Printing

Color printing with the EPSON Stylus COLOR II produces amazing images, whether you print text, line drawings, photographs, or documents containing many different image types. However you use your color printer, keep the following in mind:

- You need to leave a large amount of hard disk drive space free to make room for your color images. A full-page color photographic image, for example, may require 40MB or more of disk space, depending on the resolution. To reduce the file size, you can decrease the size and resolution of your images using your printer driver and application software.

- Color printing takes time because of the complex processing required to create a color image. How much time depends on the size and type of your image, the resolution you use, the speed of your computer, and the interface type. (Printing with a serial interface takes longer than printing with a parallel interface.) However, the fantastic results make the time spent well worth it.

- Your screen colors will not exactly match the printed colors because your monitor screen and the printer use different methods to produce the colors you see. If you scan images using a scanner, the image goes through another interpretive process that also affects the color.

  Monitors and scanners produce colors by combining red, green, and blue—the RGB method. Your monitor can produce up to 16 million colors by turning on and off the tiny red, green, and blue phosphors contained in each pixel on the screen. Colors produced this way differ from colors produced by your printer's cyan, magenta, yellow, and black colors—the CMYK method.

Your printer driver settings can help you closely match colors as appropriate for your image type, resolution, and paper.

If you need extreme precision in matching colors, you can use a color calibration system available with many software applications. If you use a scanner, make sure your scanning software is set to the correct setting for ink jet printers to help you match colors. Also, your application may include image editing capabilities that let you adjust the colors.

Where to Get Help

If you purchased your printer in the United States or Canada and you need technical assistance, you can call an EPSON Color Specialist at **(800) 788-0343**.

EPSON also provides customer support and service through a network of Authorized EPSON Customer Care Centers and provides the following services when you dial **(800) 922-8911**:

- ❑ EPSON technical information library fax service
- ❑ Product literature on current and new products
- ❑ Assistance in locating your nearest Authorized EPSON Reseller or Customer Care Center
- ❑ Technical information on the installation, configuration, and operation of EPSON products
- ❑ Customer relations.

You can purchase ink cartridges, paper, parts, printed manuals, and accessories for EPSON products from EPSON Accessories at **(800) 873-7766** (U.S. sales only). In Canada, call **(800) BUY-EPSON**.

If you purchased your printer outside the United States or Canada, contact your EPSON dealer or the marketing location nearest you for customer support and service.

If you need help with any software program you are using, see that program's documentation for technical support information.

Electronic Support Services

If you have a modem, the fastest way to access helpful tips, specifications, drivers, application notes, and bulletins for EPSON products is through the online services below.

World Wide Web

If you are connected to the Internet and have a Web browser, you can access EPSON's World Wide Web site at http://www.epson.com. EPSON's home page links users to What's New, EPSON Products, EPSON Connection,[SM] Corporate Info and EPSON Contacts. Link to the EPSON Connection for the latest drivers and FAQs (Frequently Asked Questions) and the EPSON Chat area. To get in touch with EPSON around the world, EPSON Contacts includes Contact Information for local EPSON subsidiaries.

EPSON Bulletin Board Service

You can call the EPSON Bulletin Board Service (BBS) at **(310) 782-4531**. No membership is required. Make sure your communications software is set to 8 data bits with 1 stop bit, no parity bit, and a modem speed of 28.8 Kbps or less. See the documentation that came with your communications software for more information.

CompuServe online support

CompuServe® members can call the Epson America Forum on CompuServe. If you are already a member, simply type GO EPSON at the menu prompt to reach the Forum.

If you are not currently a member, you are eligible for a free introductory membership as an owner of an EPSON product. This membership entitles you to:

- ❑ An introductory credit on CompuServe
- ❑ Your own user ID and password
- ❑ A complimentary subscription to *CompuServe Magazine*, CompuServe's monthly publication.

To take advantage of this offer, call **(800) 848-8199** in the United States and Canada and ask for representative #529. In other countries, call the following U.S. telephone number: **(614) 529-1611**, or your local CompuServe access number.

Important Safety Instructions

Before using your printer, read the following safety instructions to make sure you use the printer safely and effectively.

- ❑ Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.
- ❑ Do not place the printer on an unstable surface or near a radiator or heat register.
- ❑ Do not block or cover the openings in the printer's cabinet or insert objects through the slots.
- ❑ Use only the type of power source indicated on the printer's label.

- ❑ Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- ❑ Do not let the power cord become damaged or frayed.
- ❑ If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total of all devices plugged into the wall outlet does not exceed 15 amperes.
- ❑ Except as specifically explained in the *Reference Guide*, do not attempt to service the printer yourself.
- ❑ Unplug the printer and refer servicing to qualified service personnel under the following conditions:

  If the power cord or plug is damaged; if liquid has entered the printer; if the printer has been dropped or the cabinet damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.

Chapter 1

Installing the Printer

Follow the instructions in this chapter to get your printer up and running. You'll need to:

- ❑ Make sure your computer system meets the recommended requirements for use with the printer
- ❑ Choose the best possible location for your system
- ❑ Unpack your printer
- ❑ Set up the printer for use
- ❑ Connect the printer to your computer.

System Requirements

To use your printer with a Macintosh, it is recommended that you have the following:

- ❑ Any Macintosh or Power Macintosh model except the Macintosh +, Macintosh 512, Macintosh SE, or Macintosh PowerBook™ 100
- ❑ System 7.1 or later
- ❑ At least 8MB of available system RAM
- ❑ A hard disk with at least 10MB of unused space to store and print color images. (40MB is recommended.) The amount of space you need depends on the number and size of your color images.
- ❑ A standard Apple System/Peripheral-8 cable (part number M0197) or equivalent (RS-422, 8-pin, mini DIN male/male).

Choosing a Location

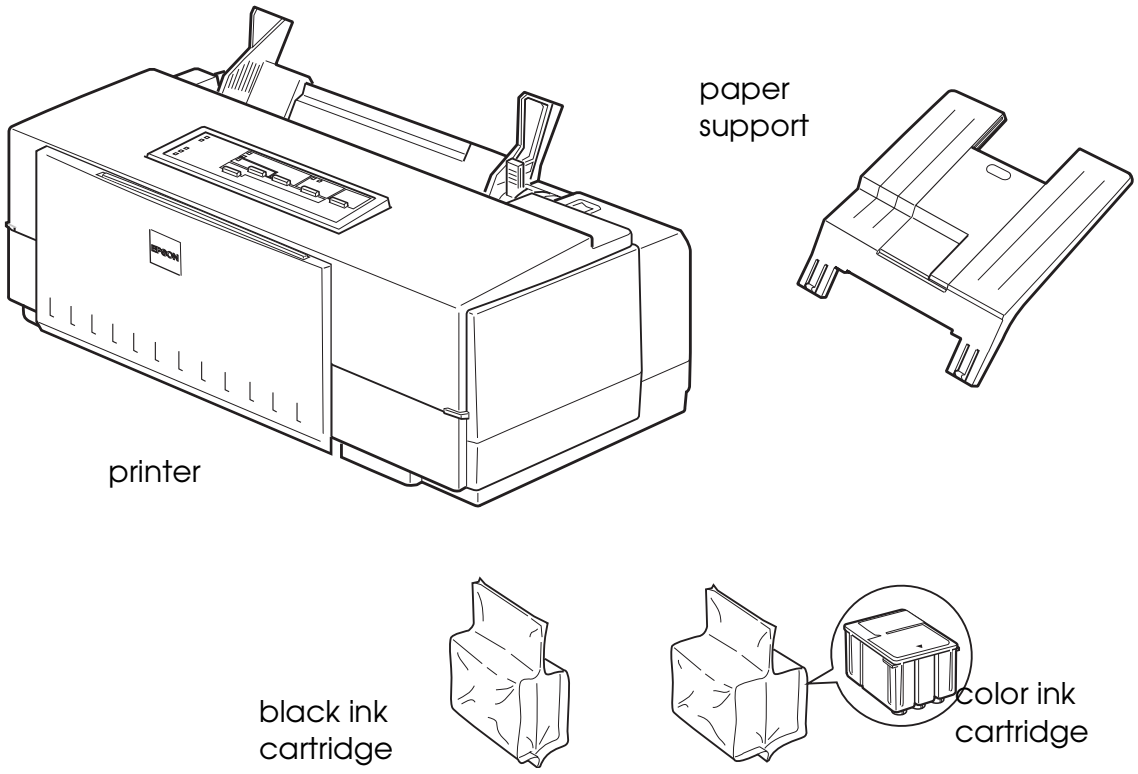
When choosing a location for the printer, use a surface that is flat, horizontal, and stable.

Avoid locations subject to rapid changes in temperature and humidity. Also keep the printer away from direct sunlight, heat sources, and sources of electromagnetic interference, such as the base units of cordless telephones.

Always leave adequate space around the printer to accommodate its cables.

Unpacking the Printer

In addition to this guide, your printer box should include two EPSON printer driver diskettes, a *Reference Guide*, *Setup and Software Guide for Windows*, packets of sample paper, a Notice Sheet, and these items:



Removing the Protective Materials

You must remove all protective materials packed around and inside your printer before you set it up and turn on the power. Save all packaging and protective materials in case you need to ship the printer in the future. It should always be transported in its original packaging or equivalent materials.

First remove the transportation screw securing the print head to the carriage. Flip down the output tray and lift up the printer cover. Loosen the transportation screw by turning its handle counterclockwise; then lift it off the carriage.

Save the screw so you can reinstall it if you transport your printer later. (See Chapter 3 of the *Reference Guide* for more information on transporting the printer.)

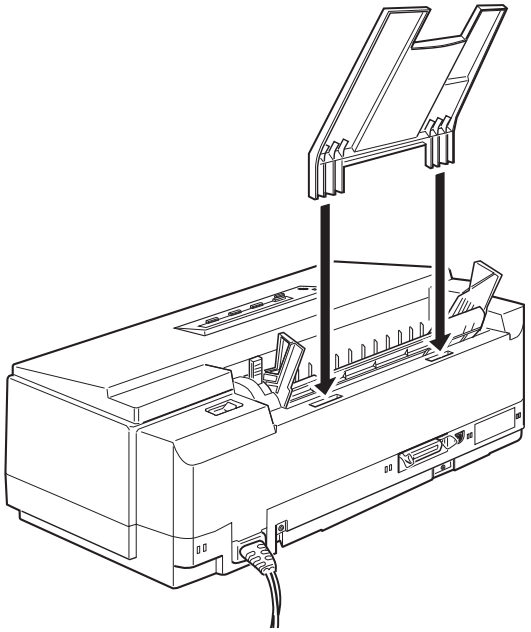
Follow the directions on the Notice Sheet packed with the printer to remove the rest of the materials.

Setting Up the Printer

The following installation procedures describe how to set up and test the printer before you connect it to your Macintosh. Refer to the illustrations on the inside front cover to identify the main components while setting up the printer.

Attaching the Paper Support

Insert the tabs on the base of the paper support into the slots at the back of the printer.

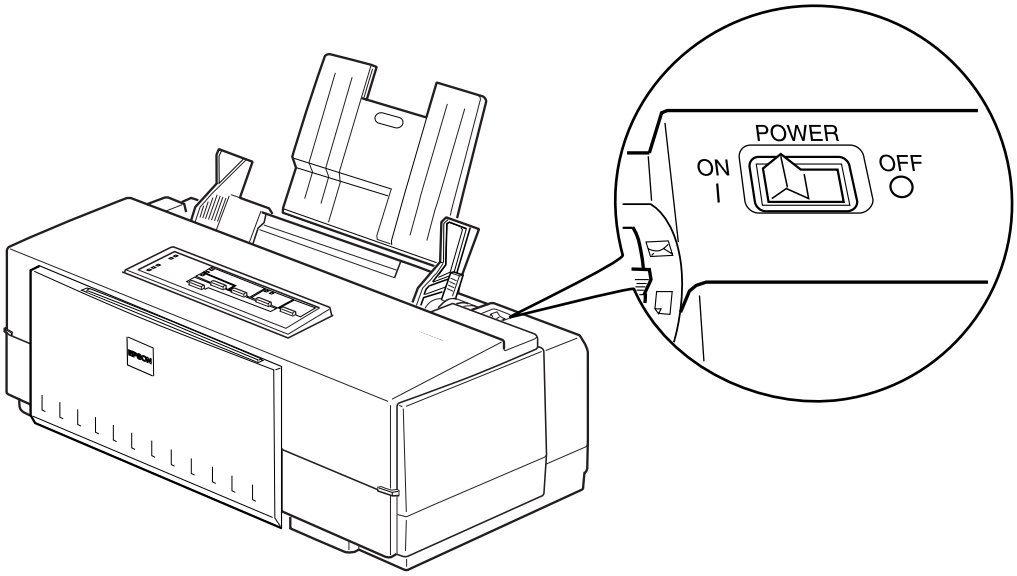


Plugging In and Turning On the Printer

Follow these steps to plug in and turn on the printer:

1. Make sure you have removed all protective packing materials from inside the printer. (See page 1-3 for more information.)

2. Make sure the printer is turned off by checking the position of the POWER switch, as shown below.



3. Plug the power cord into a properly grounded electrical outlet.

4. Turn on the printer by pressing the POWER switch.

Installing the Ink Cartridges

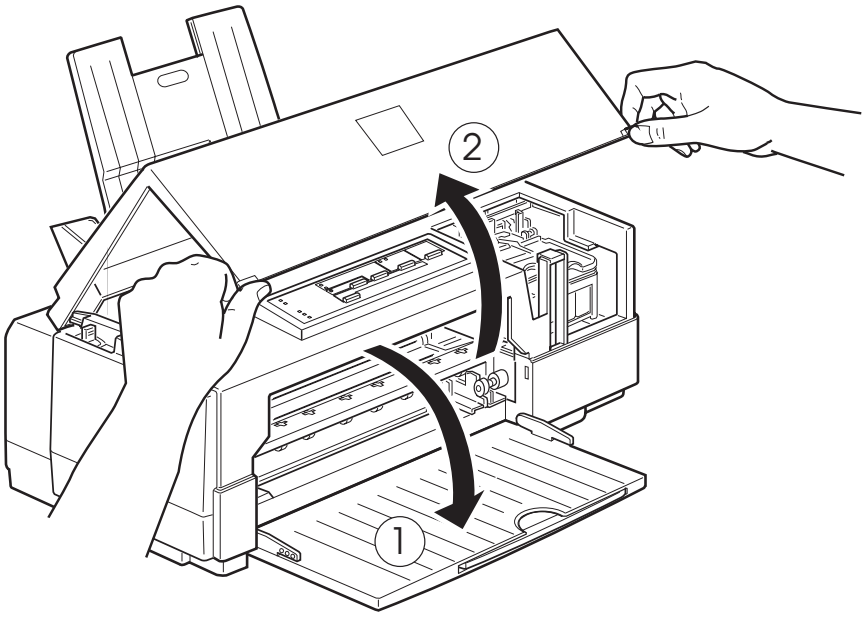
Follow the steps in this section to install your printer's ink cartridges.

W ***Warning:***
The ink cartridges are self-contained units. Under ordinary use, ink will not leak from a cartridge. If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.

C ***Caution:***
Do not open the ink cartridge packages until just before you install them or they may become too dry.

1. Make sure the printer is turned on.

2. Lower the output tray at the front of the printer. Then lift up the printer cover using the notches at both sides.

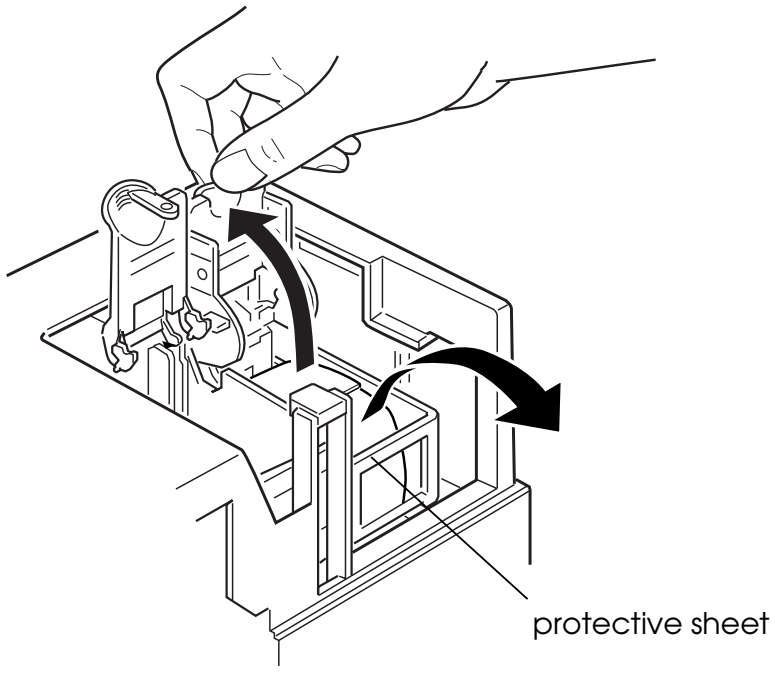


W ***Warning:***
Never insert your hand into the paper path behind the center of the cover; you may injure your hand.

3. Hold down the Alt button for about five seconds until the print head moves slightly to the left, the ink cartridge install position. The Pause light begins flashing.

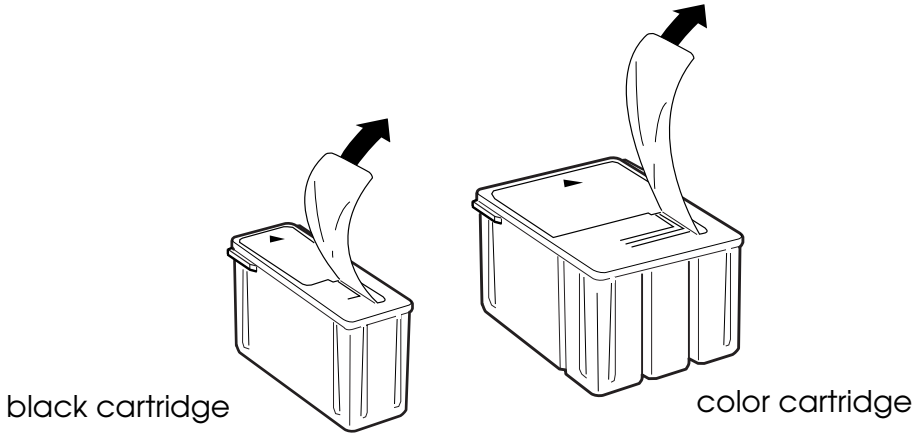
C ***Caution:***
Never move the print head by hand; always use the Alt *button to move it.*

4. Pull up each of the ink cartridge clamps to open them.



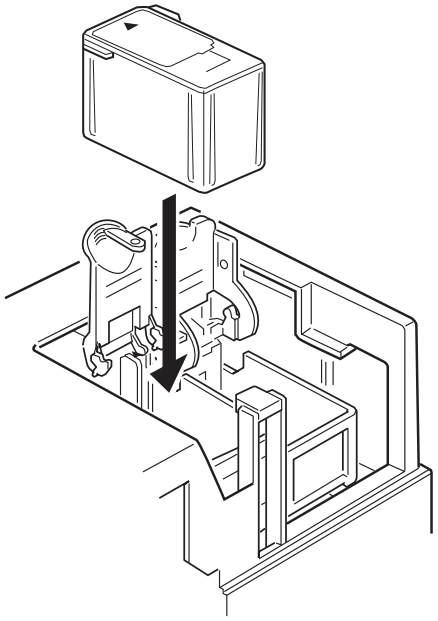
5. Remove the protective sheet from the color cartridge holder.

6. Open the foil ink cartridge packages and take out the cartridges. Remove the tape seal from the top of each one.



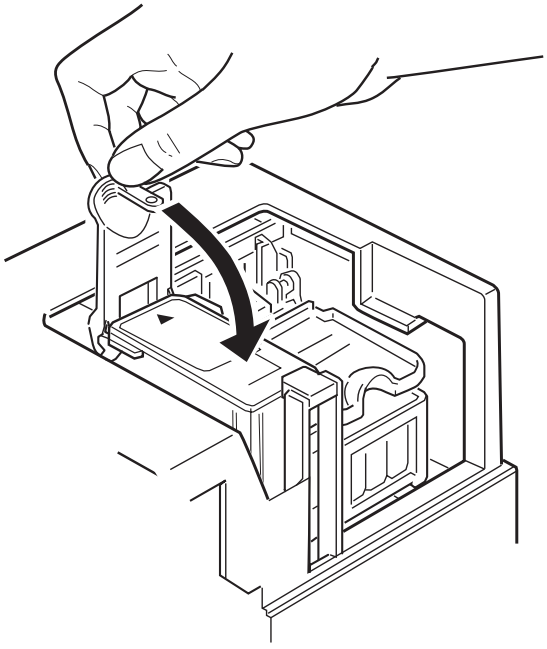
C ***Caution:***
You must remove the tape seal from the top of the cartridges; leaving the tape on will permanently damage them. Do not remove the tape seal from the bottom of the cartridge; ink will leak out.

7. The color cartridge, which is larger, goes on the right. Install the black ink cartridge on the left. Lower the cartridges into their holders with the labels facing up and the arrow on the top pointing toward the back of the printer.



Be sure to install both ink cartridges. The printer will not work if only one cartridge is installed.

8. Push down the ink cartridge clamps until they lock in place.



C ***Caution:***
Once you install the ink cartridges, do not open the clamps or remove the cartridges except to replace them with new ones. Once you remove a cartridge, do not reuse it. Reusing a cartridge that has been removed may damage the print head.

9. Press the Alt button again to return the print head to its home position. (Even if you do not press Alt, the print head moves back to its home position about 30 seconds after you close the clamps.)

   After you install the ink cartridges, the printer charges the ink delivery system. This takes about two minutes. During this time, the Pause light flashes. When the printer is finished charging, the Pause light stays on without flashing.

C ***Caution:***
Never turn off the printer when the Pause *light flashes.*

10. Close the printer cover.

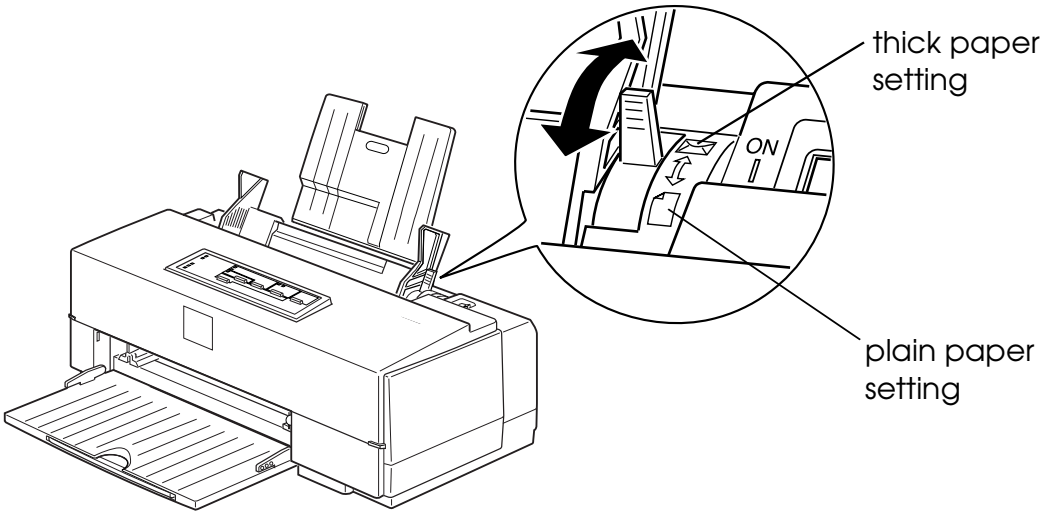
In order to maintain optimum print quality, the printer periodically performs a cleaning operation. You may notice the cleaning cycle being performed when the printer has been on for awhile without being used or when you turn it on after it has been off for awhile.

You may need to manually activate a cleaning cycle if you notice a decline in print quality; see Chapter 3 of the *Reference Guide*.

C ***Caution:***
When you need to replace ink cartridges, be sure to use only genuine EPSON ink cartridges and do not refill them. Other products may cause damage not covered by EPSON's warranty.

Checking the Paper Thickness Lever

Before you load paper, make sure that the paper thickness lever, which controls the distance between the paper and the printer carriage, is set correctly.



If necessary, move the lever to the plain paper setting. For instructions on setting the lever for special paper or other media, see Chapter 1 of the *Reference Guide*.

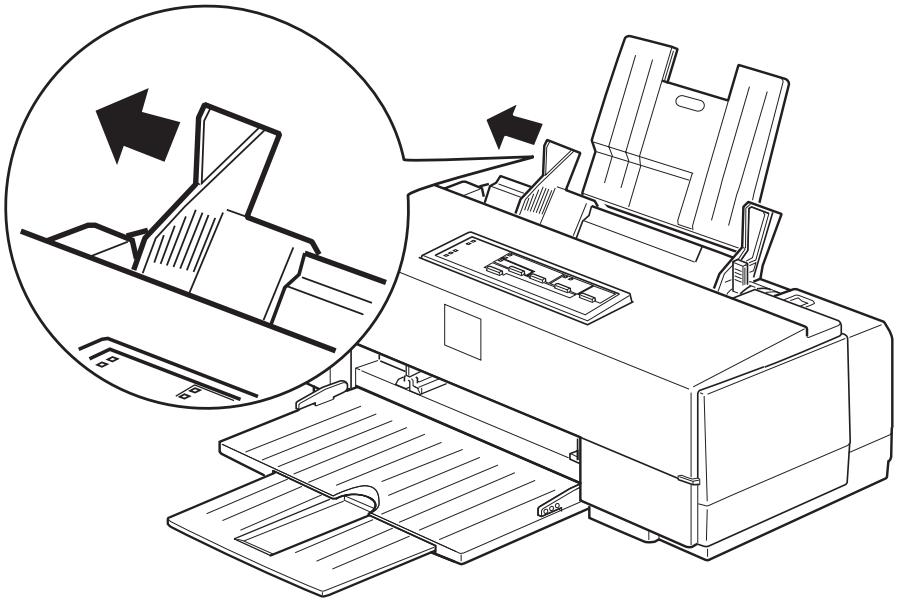
Loading Paper

The following procedure explains how to load plain bond paper. For instructions on loading coated or glossy paper, envelopes, and transparencies, see Chapter 1 of the *Reference Guide*.

You can load up to 100 sheets of plain paper. For paper specifications, see Appendix A of the *Reference Guide*.

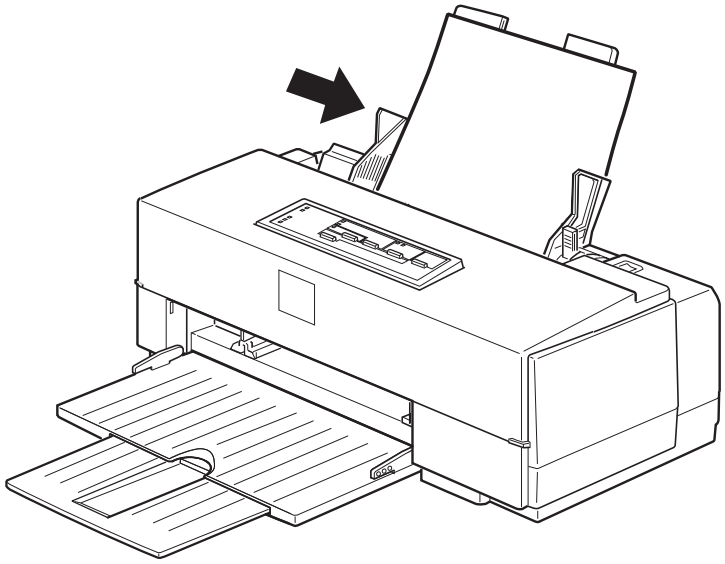
Always load plain paper with the printable surface facing up. The printable surface is marked with an arrow on most plain paper packaging.

1. Slide the left edge guide on the sheet feeder to the left as far as it will go.



2. Fan a stack of paper; then tap it on a flat surface to even the edges.

3. Load the stack of paper, printable side up, so that its right edge is firmly against the right side of the sheet feeder. Then slide the left edge guide against the left edge of the paper. Do not load paper above the arrow printed on the inside of the left edge guide on the sheet feeder.



Testing the Printer

Before continuing, test the printer to ensure it is functioning properly. For the self test, use paper that is at least 8.25 inches (210 mm) wide.

1. Press the POWER switch to turn off the printer.

   C ***Caution:***
   Never turn off the printer by unplugging it or turning off a power strip. Always turn off the printer by pressing the POWER *switch.*

2. Hold down the Load/Eject button while you press the POWER switch to turn on the printer. Keep holding down Load/Eject until the printer feeds a page.

   The 360 dpi self test begins by printing in black ink on the first and last lines of the first sheet of paper to measure the page length. Then it prints character samples on the next sheet using the available fonts and colors.

3. To end the self test, press the Pause button and then turn off the printer. Otherwise, the test continues until the paper in the sheet feeder runs out. (If a partial page feeds before you press Pause, press Load/Eject to clear the paper path.)

C ***Caution:***
Do not turn off the printer before pressing the Pause *button.*

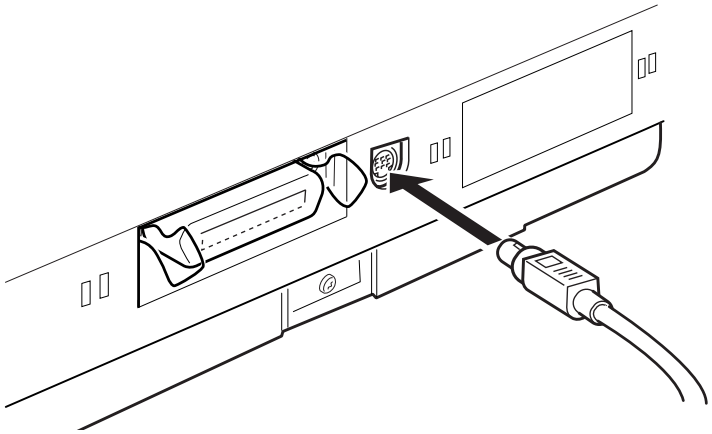
If the quality of the test output is not good, clean the print heads as described in Chapter 3 of the *Reference Guide*. (It may take as many as five cleaning cycles to fully solve the problem.)

Connecting the Printer to Your Macintosh

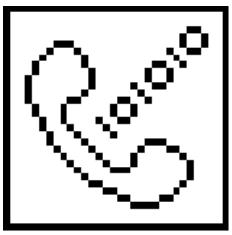
To connect the printer to your Macintosh using the serial interface, you need an Apple System/Peripheral-8 cable (part number M0197) or equivalent. Do not use an AppleTalk cable; it will not work.

1. Make sure both your printer and Macintosh are turned off.

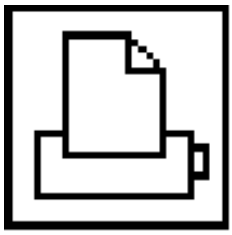
2. Connect one end of the interface cable to the serial connector on the back of the printer, as shown.



3. Connect the other end of the cable to either the modem or printer port on the Macintosh, marked with these icons:



modem port



printer port

4. Turn on the printer by pressing the POWER switch.

5. Turn on your Macintosh.

Now see Chapter 2 for instructions on installing and using the printer driver.

Chapter 2

Installing and Using the Printer Driver

This chapter describes how to install the Macintosh driver and use it to control printer settings such as resolution, media type, and halftoning.

Installing the Macintosh Printer Driver

A printer driver is software that allows your computer to control the printer. You must install a printer driver to use the printer. The Macintosh printer driver diskette contains the Macintosh driver and the Epson Monitor2 and Bi-D Calibration utilities that you can install along with the driver. See Chapter 3 for instructions on running these programs.

Note:
It is a good idea to make a backup copy your driver diskette.

Follow the steps below to install the Macintosh driver and other utilities:

C ***Caution:***
Turn off all virus protection programs before you install the printer software. You do this by holding down the Shift *key while you restart your Macintosh. After installation, you can restart the computer without pressing* Shift *to use the virus protection programs.*

1. Turn on your printer and your Macintosh.

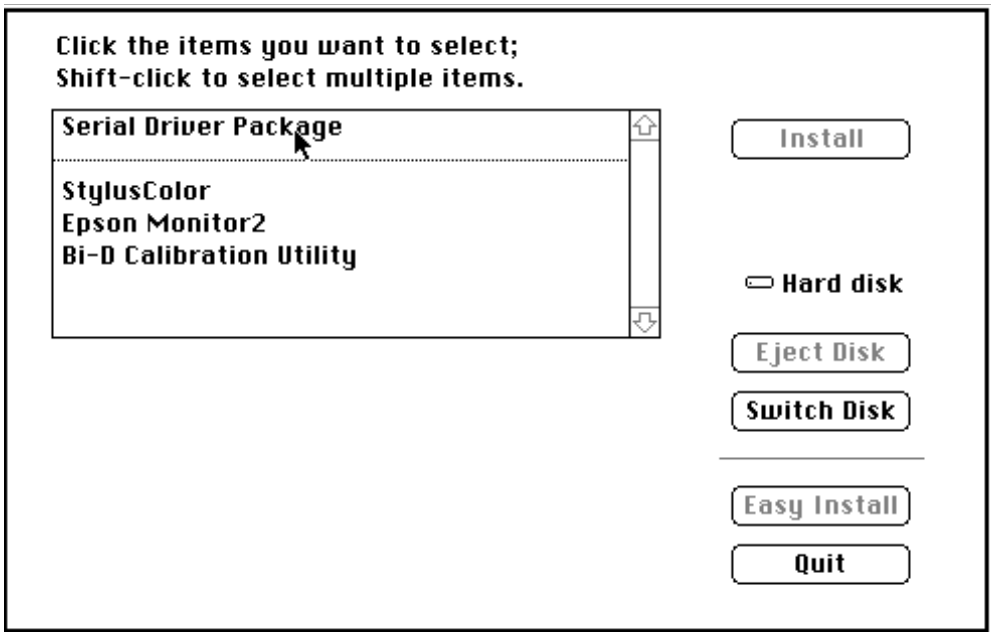
2. Insert the EPSON Macintosh driver diskette into a diskette drive.

3. If necessary, double-click the Driver Disk icon to open the Driver Disk window.

4. Double-click the ReadMe 1st icon in the Driver Disk window to read the latest information on your printer and its driver.

5. Double-click the Installer icon to install the driver.

6. When you see the initial screen, click OK to continue. You see the following screen:



7. You can install a package containing the driver and all its components or you can select the components individually. It is recommended that you install the package; to do so, click Serial Driver Package.

The driver and its components are described below.

- ❑ StylusColor driver. This driver lets you use the serial interface to connect the printer directly to the Macintosh.

- ❑ Epson Monitor2. This utility manages print jobs that have been sent to the printer. Background printing must be on to use the Epson Monitor2 Utility; see Chapter 3 for more information.

- ❑ Bi-D Calibration Utility. This utility calibrates the printer so vertical lines are aligned; see Chapter 3 for more information.

8. Click Install to copy the software to your hard disk, and follow any instructions on-screen.

9. When the installation is complete, click Restart to eject the driver diskette and restart the computer.

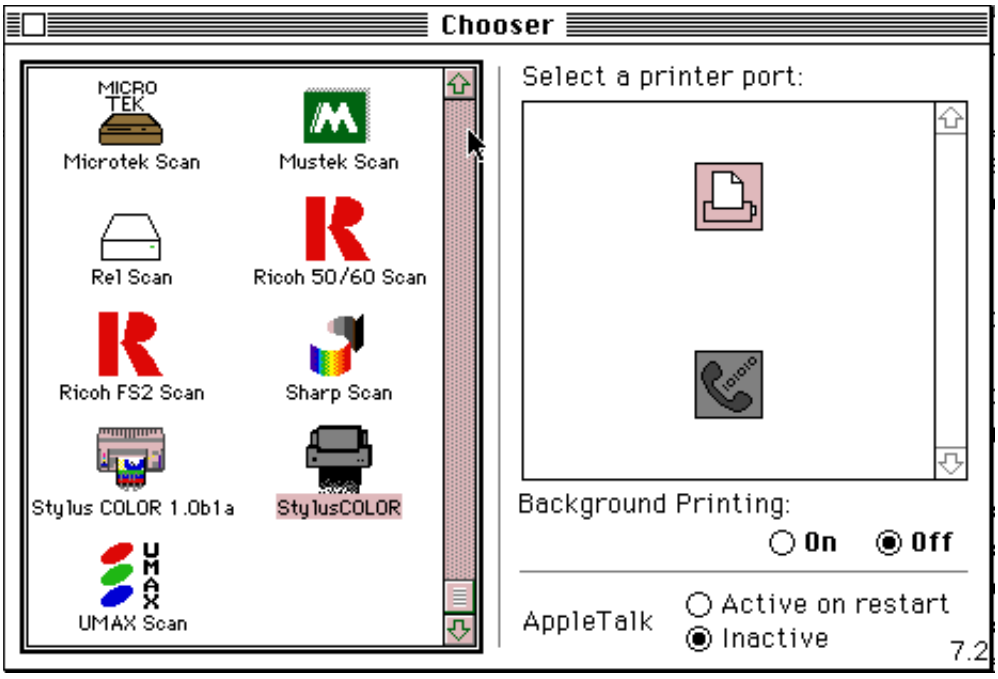
The Installer places the Bi-D Calibration Utility in a new folder on your hard disk called StylusCOLOR II Folder and places the Epson Monitor2 Utility in the Extensions folder. Now follow the instructions in the next section to select the printer using the Chooser.

Using the Chooser to Select the Printer

After you install the printer driver, follow the steps below to select the printer before you begin printing. You need to choose the printer only the first time you use it or whenever you want to use another printer. (Your Macintosh always prints using the last printer selected.)

Follow these steps to choose the printer:

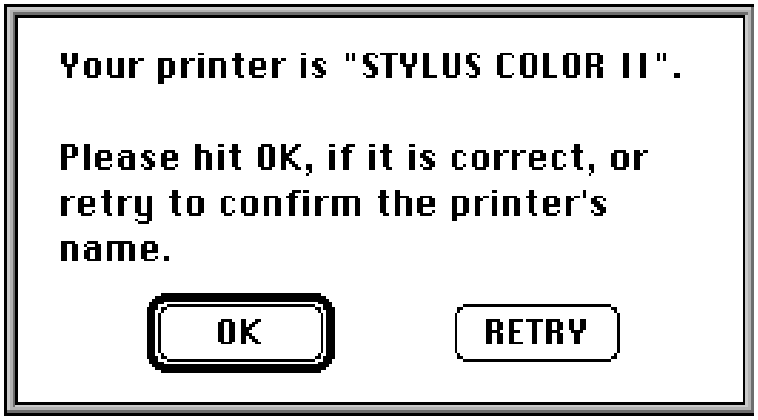
1. Open the Chooser under the Apple menu. You see the Chooser window:



2. Click the StylusCOLOR icon. You see a dialog box asking you to confirm the current port and the connected printer.

3. Click the Confirm button. You see a message reminding you that you are selecting a new printer.

4. Click OK. You see the following dialog box:



5. If the StylusColor II is shown, click OK. You see the Chooser window.

   If the wrong printer is shown, the printer may be turned off or not connected properly. Turn on the printer, if necessary, and check the connections; then click RETRY. If the printer name is still wrong, change the port selection on the Chooser window and repeat steps 2 through 5.

6. If you wish, turn on background printing by clicking the button so you can print in the background while using your Macintosh for other tasks. (You must turn on background printing to use the Epson Monitor2 Utility to manage print jobs, as described in Chapter 3.)

   Note:
   Your system must have at least 8MB of RAM to use background printing. Background printing slows the print speed and may also slow down any software program you use while printing in the background.

7. To use the the printer with its serial connection, the printer port, and the Bi-D Calibration Utility (described in Chapter 3), you must make AppleTalk inactive by clicking the Inactive button. If you used the modem port, you can leave AppleTalk active.

8. Close the Chooser. You see a reminder message to change the printer in your applications.

9. Click OK.

Now you can access the driver as described in the next section.

Using the Macintosh Printer Driver

The Macintosh printer driver contains settings that allow you to control your print job. The printer comes with default values for all the settings, as listed in the table on page 2-7. Change the printer driver settings only if you want to use values different from the default ones.

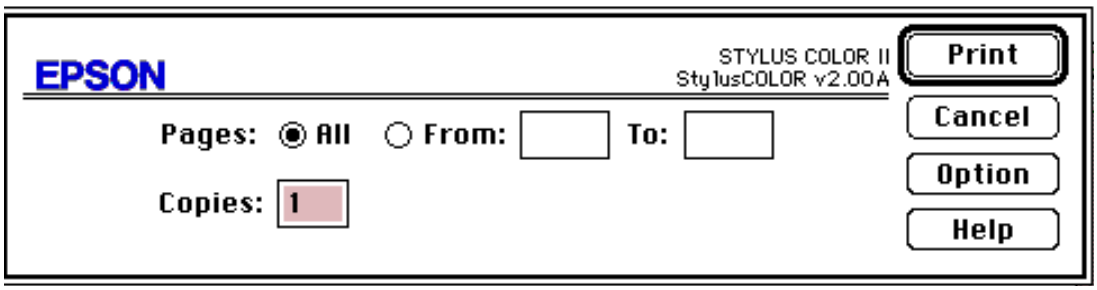
The driver includes an Automatic option (default) for the Method setting. This option lets the printer driver analyze each page of the document you will print and then select the appropriate halftoning settings automatically.

Accessing the Driver

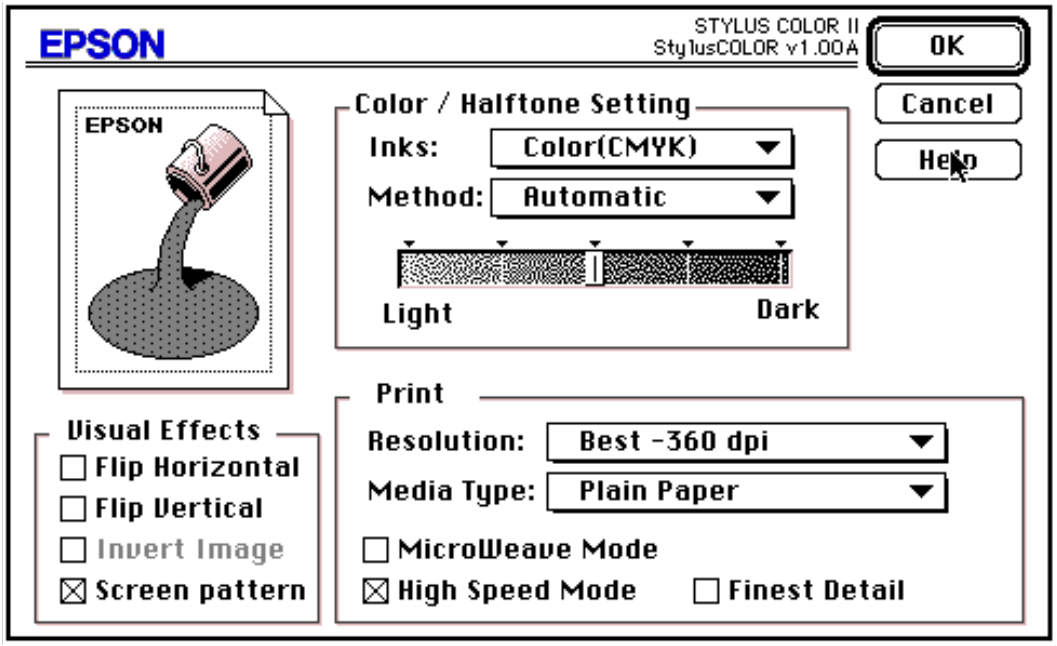
You can access the printer driver settings from two dialog boxes within your application: Print and Page Setup. Most settings are available from the Print dialog box; however, to change the paper size or orientation, use the Page Setup dialog box as described on page 2-13.

The driver settings are saved when you save your image or document. However, each time you close an application and open a new one, the default settings are in effect.

To bring up the Print dialog box, choose Print from the file menu of your application program. You see a dialog box similar to the one shown below. (The dialog box you see might be different, depending on your software program.)



To access the printer driver settings, choose the Options button. You see the following dialog box:



(If you do not see this dialog box, the driver has not been installed correctly. See page 2-1 for instructions on installing the driver.)

The table below summarizes the printer driver settings. (Factory defaults are in bold type.) Detailed descriptions of each setting follow the table.

Box title	Setting	Options
Color/Halftone Setting	Inks	**Color(CMYK)** Monochrome Color (CMY)
	Method	No halftoning Dithering A Dithering B Error Diffusion **Automatic**
	Light/Dark slider	Lightest – **Medium** – Darkest

Box title	Setting	Options
Print	Resolution	Super -720 dpi **Best -360 dpi** Draft -180 dpi
	Media Type	**Plain Paper** Transparency Coated Paper - 360 dpi, Coated Paper - 720 dpi HQ Glossy Paper
	MicroWeave Mode	On, **off**
	High Speed Mode	**On**, off
	Finest Detail	On, **off**
Visual Effects	Flip Horizontal	On, **off**
	Flip Vertical	On, **off**
	Invert Image	On, **off**
	Screen pattern	**On**, off

Color/Halftone Setting

The following settings control the ink the printer uses and the halftone method.

Inks

Specifies color (CMYK or CMY) or monochrome printing. CMYK and CMY refer to the printer's colored inks: cyan (blue-green), magenta, yellow, and black (K). These colors are combined to create any of 16 million colors. When you select Monochrome, the printer prints only black ink. If you are printing a color image and Monochrome is selected, the printer converts color data to grayscale values. When you want to print in color, select Color (CMYK). If you notice any inconsistencies in the black portions of your printed image, select Color (CMY) as the color setting. The default setting is Color(CMYK).

Note:
If you select color printing and print a black and white image, the printer uses a composite black created from the color inks. For true black, select Monochrome.

Method

Select Automatic halftone setting, No Halftoning, or one of three halftone methods.

For the best results, select Automatic so your printer driver can analyze the data on each page of your document and adjust the halftone settings automatically. If you prefer to set the halftone method manually, follow these guidelines:

- Use No Halftoning to speed printing for text or monochrome line art. Do not use it when printing in color.
- Dithering A and Dithering B arrange dots in orderly patterns. Printing dithered images is relatively fast and is best suited for printing charts, graphs, and other images that require precise, solid areas of bright colors. Use Dithering A for images with limited detail and shading. Select Dithering B for images with significant detail but limited shading.
- Error Diffusion is best for photographic images. It creates colors by randomly distributing dots, making edges and colors softer. Printing these images takes longer, but it produces the best print quality for photographs.

Light/Dark slider

Controls how much ink is applied to the paper. The slider has five settings that allow you to apply more or less ink. The more ink, the darker the colors. Move the slider to the right for more ink and darker colors; slide it to the left for less ink and lighter colors. (Increasing the amount of ink means it takes longer for the ink to dry.)

Note:
The slider is not accessible if Monochrome *ink is selected.*

Print Settings

The following settings control the resolution, media type, and print options.

Resolution

Specifies the resolution to be 720 dpi, 360 dpi, or 180 dpi. Resolution is the amount of detail used to create an image. The higher the resolution, the sharper and finer the image.

For the best possible resolution, choose Super -720 dpi. When you select this resolution, MicroWeave is automatically turned on and High Speed mode is turned off. For best results at 720 dpi, load EPSON special coated paper or 720 dpi or high-quality glossy paper.

For most color printing, select Best -360 dpi. This resolution produces good-quality, full-color images using less memory and in less time than 720 dpi. For best results at 360 dpi, use EPSON special coated paper for 360 dpi.

When speed is important and draft quality is good enough, use Draft -180 dpi resolution.

Note:
Printing at lower resolutions also conserves ink.

Media Type

Sets up the printer for the type of paper you loaded. Depending on your Resolution setting, Media Type can be one of the following:

Plain Paper
Transparency
Coated Paper - 360 dpi
Coated Paper - 720 dpi
HQ Glossy Paper

Note:
You may not see all paper types listed because some are not available for all resolutions. Be sure to select the Resolution *before selecting the* Media Type*.*

For specific information on when to use each media type, see Chapter 1 of the *Reference Guide*.

MicroWeave Mode

MicroWeave reduces the possibility of banding, the light horizontal lines that can mar an image. When you turn on MicroWeave, the printer produces superior output because graphics data is reordered and printed in fine increments. It slows the print speed but is recommended for printing color and grayscale images. Because it does not improve the print quality for text and line art, turn it off to print these kinds of images faster.

High Speed Mode

When you turn on High Speed mode, the printer uses bidirectional printing, reducing the time it takes to print an image. Bidirectional printing is fast, but for highest quality, always turn off High Speed mode.

Note:
If the vertical lines appear misaligned when you print using High Speed mode, calibrate the printer as described in Chapter 3.

Finest Detail

When you select the Super - 720 dpi resolution, you can turn on Finest Detail mode to print text, solid graphics, and line art with very sharp edges. It may take considerably longer to print using this mode and it will increase your Macintosh memory requirements. Additionally, you may not be able to print some larger images and some patterns may not print correctly. When you select Finest Detail, make sure that Super - 720 dpi is the selected resolution. If you experience problems printing in this mode, turn it off or add more memory.

Visual Effects Settings

The following settings allow you to manipulate the printed image to achieve special effects.

Flip Horizontal and Flip Vertical rotate the image 180° along the horizontal or vertical axis. Text then appears backwards or upside down.

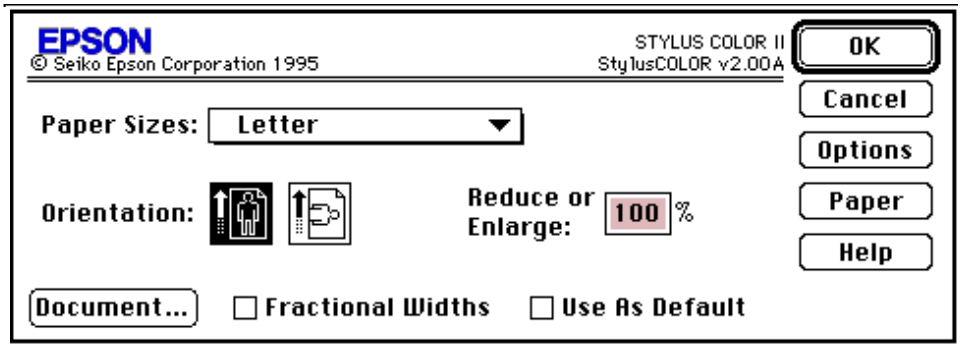
Invert Image changes black areas to white and white areas to black. This option is available only when you select Monochrome ink and No Halftoning.

Screen pattern determines how shaded patterns are printed. When Screen pattern is on, the printer prints shaded areas as they appear on your computer screen. If you turn it off (default), shaded patterns are converted to halftones. Normally you should turn off Screen pattern when printing.

Selecting Paper Size and Orientation Using Page Setup

By default, the printer expects letter-size (8.5 × 11 inches) paper. To select a different paper size, choose Page Setup in the File menu of your application program.

You see a dialog box similar to the following:

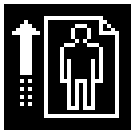
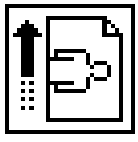


You can select one of the following predefined paper sizes:

Letter (8½ × 11 inches)
Letter (Centered)
A4 (210 × 297 mm)
A4 (Centered)
Legal (8½ × 14 inches)
Legal (Centered)
Statement (5½ × 8½ inches)
Executive (7½ × 10 inches)
Envelope #10 (4⅛ × 9½ inches)
Envelope DL (110 × 220 mm)

Use one of the Centered paper sizes only if you have problems centering the image on the page and your software program does not have a setting that lets you do this. Centered images have a slightly smaller printable area.

Select the orientation of the image on the page by clicking one of the following buttons:

 Portrait  Landscape

In portrait orientation, the top of the page is parallel with the short edge of the paper. In landscape orientation, the top of the page is parallel with the long edge of the paper.

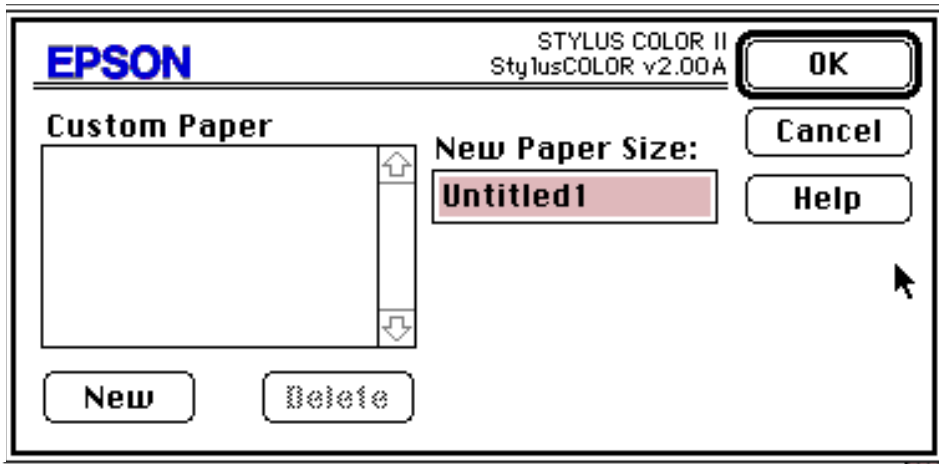
Note:
Print speed varies depending on the orientation setting in the driver. It is best to select the image orientation using your application, not the driver.

To reduce or enlarge the image, click the Reduce or Enlarge box and enter a percentage.

Defining custom paper sizes

To define a custom paper size, double-click the Paper button on the Page Setup dialog box.

You see the following dialog box:



Click New. This creates a new paper size based on the currently selected one. Enter a new name for the paper size in the New Paper Size box. Then enter the correct values in the Width and Height boxes. Click Inches or cm (centimeters) to change the measurement units, if necessary. Click OK to save the new paper size and return to the Page Setup dialog box.

Chapter 3

Using the Printer Driver Utilities

This chapter explains managing print jobs that you send to the printer with the Epson Monitor2 Utility. It also tells you how to calibrate the printer using the Bi-D Calibration Utility if vertical lines in your printed output become misaligned.

If you selected the Serial Driver Package option when you installed the driver, both of these utilities were copied to your hard disk. If you did not select the Serial Driver Package option, you can install these utilities from the Macintosh printer driver diskette using the Installer program. See page 2-1 for instructions.

Managing Print Jobs

You can use the Epson Monitor2 Utility to check on the status of print jobs that are queued for printing. The utility also allows you to cancel any print job in the queue.

Follow these steps to run it:

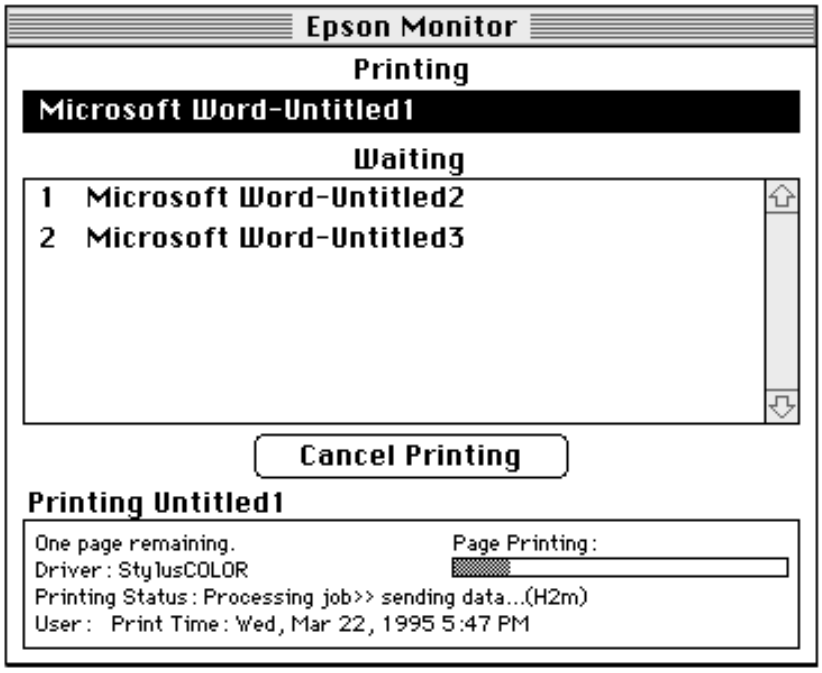
1. Before using Epson Monitor2, you must first select background printing using the Chooser (if you have not done so already). See "Using the Chooser to Select the Printer" in Chapter 2 for instructions.

2. Start a print job.

3. Click on the icon in the upper right corner of the display and pull down the menu that appears. (The shape of the icon depends on the software you are using.)

4. Select Epson Monitor2 from the menu.

You see a dialog box similar to the following:



The print job listed under Printing is currently being printed. Jobs listed under Waiting are queued to begin when the current job is completed. To cancel a print job, click the name of the job and then click Cancel Printing.

Calibrating the Printer with Bi-D Calibration

Your printer has been calibrated at the factory so that vertical lines in your text and graphics are properly aligned. If you notice misaligned images in printouts, however, you can calibrate the printer with the Bi-D Calibration Utility. You may need to do this after moving the printer to a new location, for example.

Before calibrating, verify that your printer needs it by printing a demonstration page. Turn off your printer. Then hold down the Alt button as you turn the printer back on. Hold down Alt until the printer feeds a page. Examine the demonstration printout; if vertical lines are misaligned, calibrate the printer. Do not calibrate your printer too often.

Follow these steps:

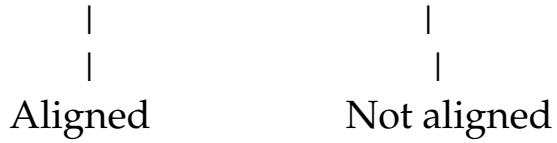
1. Open the StylusCOLOR II folder and double-click Bi-D Calibration Utility.

2. You see a prompt asking you to choose the interface type. Click Serial.

3. You see the Bi-D Calibration Utility screen. First specify whether you connected the printer to the modem or printer port by clicking the appropriate icon.

4. Click the Pattern 1 button to align the print heads using the first pattern page.

   Wait for about two minutes while the printer prints a page containing multiple patterns of vertical lines, each assigned with an offset value. Look for the pattern that is most closely aligned.

5. Enter the offset value of the pattern that is most closely aligned in the No. box and click OK. The printer prints a confirmation page.

6. Repeat steps 4 and 5, selecting the Pattern 2 through Pattern 5 buttons and entering the offset value of the pattern that is most closely aligned on each pattern page.

7. When you finish, click Quit.

If you notice later that the vertical alignment of your printed pages is off, repeat the calibration procedure.

Index

A

Aligning vertical lines, 2-12, 3-1–3
Apple Macintosh
  driver, *see* Printer driver
  version, 1-1
AppleTalk, 1-13, 2-5
Auto sheet feeder, 1-11–12
Automatic halftone option, Intro-3, 2-6–7, 2-9

B

Background printing, 2-5, 3-1
Banding, 2-11
BBS, *see* Bulletin Board Service
Bi-D Calibration Utility, 2-1, 2-3, 2-5, 3-2–3
Bidirectional printing, 2-11
Black ink cartridge, *see* Ink cartridges
Bulletin Board Service, Intro-6

C

Cable, printer, 1-1, 1-13
Calibrating the printer, 2-12, 3-2–3
Canceling print jobs, 3-1–2
Cartridges, *see* Ink cartridges
Centered paper, 2-13
Chooser, 2-3–5, 3-1
Cleaning print heads, 1-9
CMYK, Intro-4, 2-7–8
Coated papers, 2-8, 2-10–11
Color ink cartridges, *see* Ink cartridges
Color matching, Intro-4–5
Color printing guidelines, Intro-4–5
Composite black, 2-9
CompuServe, Intro-7
Cord, power, Intro-8, 1-5
Custom paper sizes, 2-13–14
Customer support, Intro-5–7

D

Default settings, printer driver, 2-6–8
Diffusion, error, 2-7, 2-9
Disk space, Intro-4, 1-1
Diskette, printer driver, 1-2, 2-1
Dithering, 2-7, 2-9
Dpi, Intro-1, Intro-3
Draft printing, 2-10
Driver, *see* Printer driver

E

Edge guide, *see* Left edge guide
Electromagnetic interference, 1-2
Electronic support services, Intro-6–7
Enlarge option, 2-14
Envelopes, 1-10, 2-13
EPSON
  Accessories, Intro-5
  America Forum, Intro-7
  Bulletin Board Service, Intro-6
  Customer Care Centers, Intro-5
  Monitor2 utility, 2-1, 2-3, 2-5, 3-1–2
  papers, Intro-2
  Web site, Intro-6
Error diffusion, 2-7, 2-9

F

Fast printing, 2-11
Feeder, *see* Auto sheet feeder
Film, *see* Transparencies
Finest Detail mode, 2-8, 2-12
Flip Horizontal setting, 2-8, 2-12
Flip Vertical setting, 2-8, 2-12

G

Glossy paper, 1-10, 2-8, 2-10–11
Grayscale, 2-8, 2-11

H

Halftoning settings, Intro-3, 2-6–9
Hard disk space, Intro-4, 1-1
Help, where to get, Intro-5–7
High Speed mode, 2-8, 2-10–12
High-quality glossy paper, *see* Glossy paper
Humidity, 1-2

I

Ink
  conserving, 2-10
  delivery system, charging, 1-9
  formulation, Intro-2
  setting, 2-7–8
Ink cartridges
  installing, 1-5–9
  protective sheet, 1-7
  removing, 1-9
  tape seal, 1-7
  unpacking, 1-2, 1-7
Interfaces, Intro-1, 1-3, 1-13
Internet, Intro-6
Invert Image setting, 2-8, 2-12

L

Landscape setting, 2-13–14
Left edge guide, 1-11
Lever, paper thickness, 1-10
Light/Dark slider, 2-7
Lines, aligning vertical, 2-12, 3-1–3
Location, choosing for printer, 1-2

M

Macintosh
  driver, *see* Printer driver
  version, 1-1
Managing print jobs, 2-5, 3-1–2
Manuals, how to use, Intro-1
Media Type setting, 2-8, 2-11
Memory, 1-1, 2-12
Method setting, Intro-3, 2-6–7, 2-9
Microsoft Windows, Intro-1
MicroWeave mode, 2-8, 2-10–11
Modem, Intro-6
Monitor, Intro-4
Monitor2 utility, 2-1, 2-3, 2-5, 3-1–2
Monochrome mode, 2-7–8
Moving the printer, *see* Transporting the printer

N

No halftoning option, 2-7, 2-9
Notice Sheet, 1-2–3

O

Offset value, 3-3
Online support, Intro-7
Orientation of paper, 2-13–14
Output tray, 1-6

P

Paper
  centered, 2-13
  coated, 1-10, 2-8, 2-10–11
  custom sizes, 2-13–14
  envelopes, 1-10, 2-13
  glossy, 1-10, 2-8, 2-10–11
  height, 2-14
  loading plain paper, 1-10–11
  orientation, 2-13–14
  printable area, 2-13
  printable surface, 1-10
  selecting size, 2-13–14

Paper (*continued*)
selecting type, 2-8
special, Intro-2
transparencies, 1-10, 2-8, 2-11
types, 2-8
width, 2-14
Paper support, 1-4
Paper thickness lever, 1-10
Parallel interface, Intro-1
Pause light, 1-9
Pausing print jobs, 3-1–2
Plain paper, loading, 1-10–11
Plugging in printer, 1-4
Portrait setting, 2-13–14
Power
cord, Intro-8, 1-5
switch, 1-5
Print
direction, 2-11
jobs, managing, 2-5, 3-1–2
options, 2-8
quality, Intro-2, 1-9
speed, Intro-4, 2-11
Print heads, cleaning, 1-9
Printer
cable, 1-1, 1-13
calibrating, 2-12, 3-2–3
choosing location for, 1-2
cleaning the print heads, 1-9
connecting, 1-13
installing, 1-1–3, 1-5–13
plugging in, 1-5
protective materials, 1-3
setting up, 1-3, 1-5–12
system requirements, 1-1
testing, 1-12
transporting, 1-3
turning on and off, 1-4
unpacking, 1-2
Printer driver
accessing, 2-6–8
default settings, 2-6–8
diskette, 1-2, 2-1
installing, 2-1–5
settings, Intro-2–3, Intro-5, 2-7–12
using, 2-6–14
utilities, 2-1, 3-1–3
Printing
background, 2-5, 3-1
bidirectional, 2-11
canceling, 3-1–2
draft, 2-10
fast, 2-11
managing, 2-5, 3-1–2
pausing, 3-1–2
Protective materials, 1-3

Q

Quality, improving, Intro-2, 1-9

R

RAM requirements, 1-1, 2-12
ReadMe icon, Intro-2, 2-2
Reduce option, 2-14
Reference Guide, Intro-1
Requirements, system, 1-1
Resolution
definition, Intro-3
selecting, 2-8, 2-10–11
RGB method, Intro-4

S

Safety instructions, Intro-7–8
Scanners, Intro-4–5
Screen pattern setting, 2-8, 2-12
Self test, 1-12

Serial interface, Intro-1, 1-13
Service, Intro-5–7
Setting up printer, 1-3, 1-5–12
Sheet feeder, auto, 1-11–12
Special papers, Intro-2
Speed, *see* Print, speed
Support, online, Intro-7
System requirements, 1-1

T

Technical assistance, Intro-5–7
Telephone number, Intro-5
Telephone numbers, Intro-6–7
Temperature, 1-2
Testing the printer, 1-12
Transparencies, 1-10, 2-8, 2-11
Transporting the printer, 1-3
Turning the printer on and off, 1-5

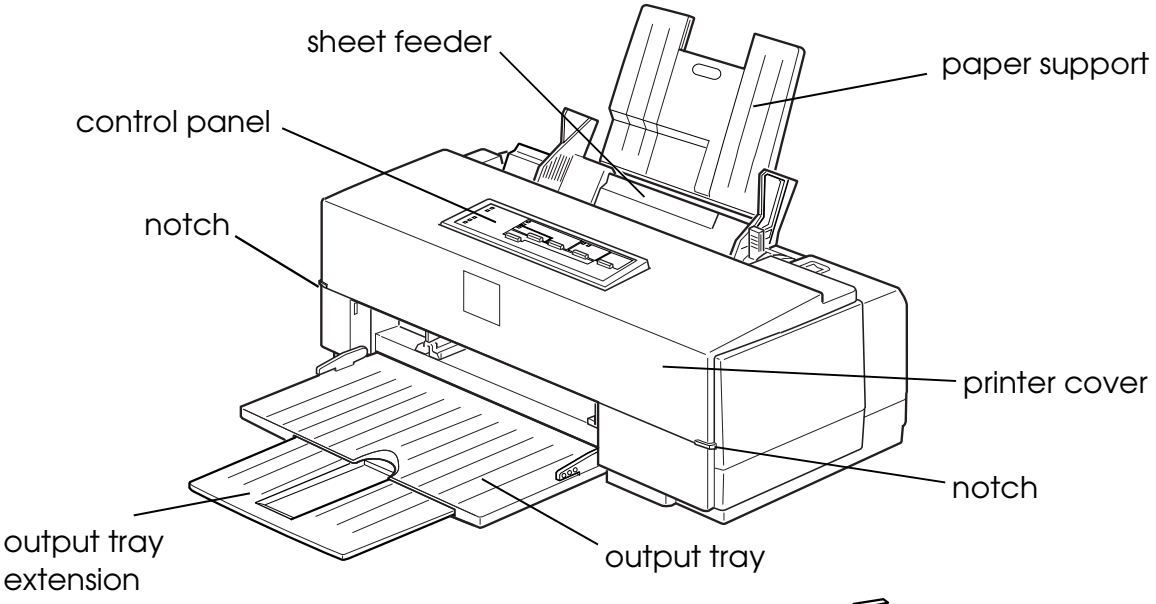
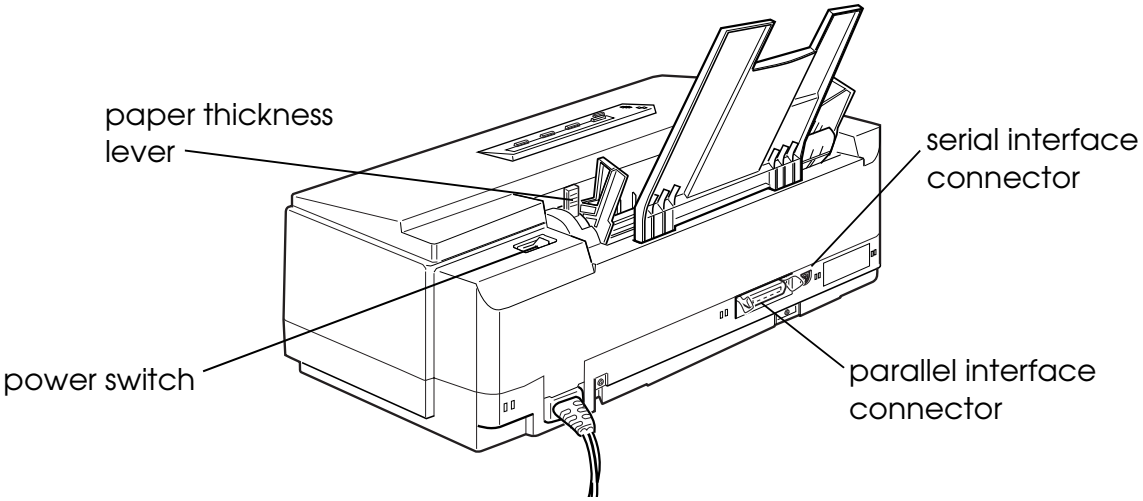
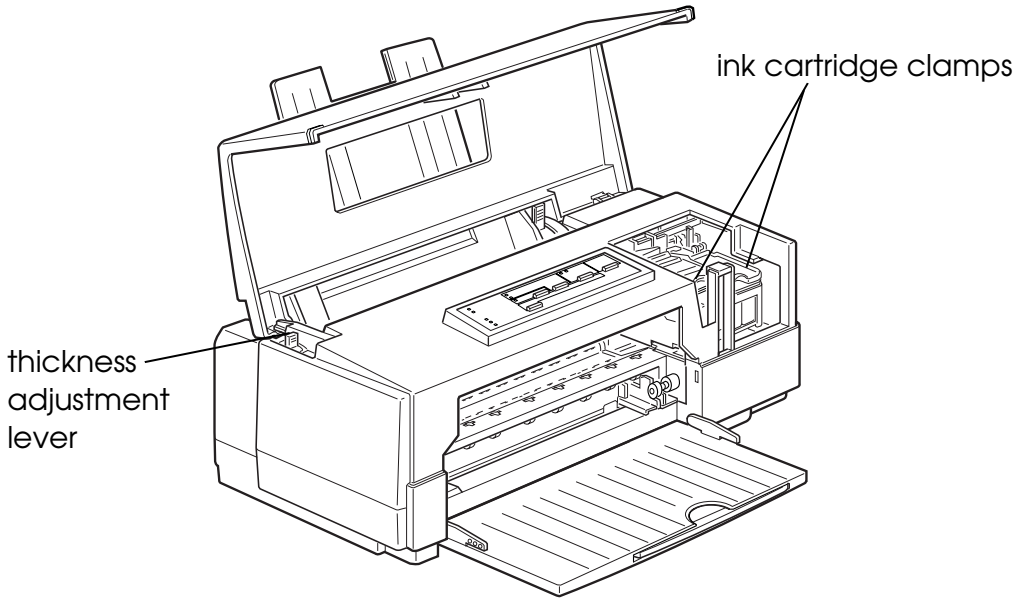
U

Unpacking the printer, 1-2
Utilities, printer driver, 2-1, 3-1–3

V

Vertical lines, aligning, 2-12, 3-1–3
Virus protection, 2-1
Visual effects, 2-8, 2-12

W

Windows, Intro-1
World Wide Web, Intro-6

Printer Parts